

CLAIMS

5 1. A telescopic drawer slide comprising:
a first drawer slide having a longitudinal length with a web
and arms along the longitudinal margins of the web;

a second drawer slide having a longitudinal length with a
web, and arms along the longitudinal margins of the web, the
10 second drawer slide being nested within the arms of the first
drawer slide;

a third drawer slide having a longitudinal length with a
web, and arms along the longitudinal margins of the web, the
third drawer slide being nested within the arms of the second
15 drawer slide; and

a lock between the second drawer slide and the first drawer
slide, the lock having a biased tab rotatably coupled to the
second drawer slide and an emboss on the first drawer slide;

wherein the tab moves into a portion of the emboss upon
20 movement over the emboss, thereby preventing the second drawer
slide from closing relative to the third drawer slide.

2. The telescopic drawer slide of claim 1 wherein the tab
is biased by gravity.

25 3. The telescopic drawer slide of claim 1 wherein the tab
is biased by a spring.

30 4. The telescopic drawer slide of claim 1 wherein the tab
is moved over the emboss by the third drawer slide thereby
allowing the second drawer slide to close relative to the first
drawer slide after closing of the third drawer slide relative to
the second drawer slide.

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5 5. The telescopic drawer slide of claim 4 wherein:
the emboss has:

an angled portion tapering toward the arcuate arms of
the first drawer slide;

a wide portion with longitudinal edges; and

an edge leading to a narrow portion; and

10 the tab moves to the narrow portion and is restrained by the
edge from closing.

15 6. The telescopic drawer slide of claim 1 further
comprising a lock between the third drawer slide and the second
drawer slide, the lock having a biased tab on the third drawer
slide and a hole in the second drawer slide, wherein the biased
tab enters the hole when the third drawer slide is withdrawn from
the second drawer slide.

20 7. The telescopic drawer slide of claim 1 wherein the arms
of the first drawer slide have a lateral portion that is bowed
toward the arms of the second drawer slide; and the arms of the
second drawer slide are nested within the arms of the first
drawer slide defining a contact area along a tip of the bowed
25 portion of the arms of the first drawer slide and defining a
reservoir adjacent to the contact area along the tip of the bowed
portion of the arms of the first drawer slide.

30 8. The telescopic drawer slide of claim 7 wherein the arms
of the third drawer slide have a lateral portion that is bowed
toward the arms of the second drawer slide; and the arms of the
third drawer slide are nested within the arms of the second
drawer slide defining a contact area along a tip of the bowed
portion of the arms of the third drawer slide and defining a
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reservoir adjacent to the contact area along the tip of the bowed
portion of the arms of the third drawer slide.

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10 9. The telescopic drawer slide of claim 1 further comprising a lock between the third drawer slide and the second drawer slide, the lock having a biased arm with a cutout rotatably coupled to the third drawer slide and a tab on the second drawer slide oriented toward the third drawer slide; wherein the tab enters the cutout as the third drawer slide is withdrawn from the second drawer slide.

15 10. The telescopic drawer slide of claim 9 further comprising a lock release adjacent to the biased arm wherein the lock release moves the biased arm to move the cutout away from the tab.

20 11. The telescopic drawer slide of claim 1 further comprising a stop between the second drawer slide and the first drawer slide; wherein a portion of the web of the second drawer slide is punched toward the first drawer slide and a portion of the web of the first drawer slide is punched toward the second drawer slide.

25 12. The telescopic drawer slide of claim 1 wherein the web of the second drawer slide has a hat section extending along the longitudinal length, the hat section clearing the emboss on the first drawer slide; and

30 the web of the third drawer slide has a hat section extending along the longitudinal length, the hat section of the third drawer slide clearing and surrounding the hat section of the second drawer slide.

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13. A telescopic drawer slide according to claim 1 wherein
the first drawer slide, the second drawer slide and the third
5 drawer slide all fit within a space between a drawer and a
cabinet of about 0.375 inches wide by about 1 inch in height.

14. A telescopic drawer slide comprising:
a first drawer slide having a longitudinal length with a web
10 and arms along the longitudinal margins of the web;

a second drawer slide having a longitudinal length with a
web, and arms along the longitudinal margins of the web, the
second drawer slide being nested within the arms of the first
drawer slide;

15 a third drawer slide having a longitudinal length with a
web, and arms along the longitudinal margins of the web, the
third drawer slide being nested within the arms of the second
drawer slide; and

a lock between the second drawer slide and the first drawer
20 slide, the lock having a lever biased toward the first drawer
slide coupled to the second drawer slide, a tab coupled to the
lever, and a hole in the first drawer slide;

wherein the tab moves into the hole in the first drawer
slide as the second drawer slide is withdrawn from the first
25 drawer slide, thereby preventing the second drawer slide being
closed relative to the first drawer slide.

15. The telescopic drawer slide of claim 14 further
comprising a c-shaped tab in the web of the third drawer slide
30 biased toward the second drawer slide, wherein the c-shaped tab
moves the lever and the tab away from the first drawer slide
allowing the second drawer slide to be closed relative to the
first drawer slide member.

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5 16. The telescopic drawer slide of claim 15 further comprising a detent, the detent having a hole in the lever and a raised bump on the c-shaped tab such that when the third drawer slide is closed within the second drawer slide the bump fits inside of the hole in the lever preventing movement of the third drawer slide relative to the second drawer slide until a predetermined amount of force is used to pull the third drawer
10 slide from the second drawer slide.

15 17. The telescopic drawer slide of claim 16 wherein the predetermined amount of force necessary to move the bump from the hole in lever causes the second drawer slide to be withdrawn from the first drawer slide prior to the withdrawing of the third drawer slide from the second drawer slide.

20 18. The telescopic drawer slide of claim 14 wherein the arms of the first drawer slide have a lateral portion that is bowed toward the arms of the second drawer slide; and the arms of the second drawer slide are nested within the arms of the first drawer slide defining a contact area along a tip of the bowed portion of the arms of the first drawer slide and defining a reservoir adjacent to the contact area along the tip of the
25 bowed portion of the arms of the first drawer slide.

30 19. The telescopic drawer slide of claim 18 wherein the arms of the third drawer slide have a lateral portion that is bowed toward the arms of the second drawer slide; and the arms of the third drawer slide are nested within the arms of the second drawer slide defining a contact area along a tip of the bowed portion of the arms of the third drawer slide and defining a reservoir adjacent to the contact area along the tip of the
35 bowed portion of the arms of the third drawer slide.

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5 20. The telescopic drawer slide of claim 14 further comprising a lock between the third drawer slide and the second drawer slide, the lock having a biased tab on the third drawer slide and a hole in the second drawer slide, wherein the biased tab enters the hole when the third drawer slide is withdrawn from the second drawer slide.

10 21. The telescopic drawer slide of claim 14 further comprising a lock between the third drawer slide and the second drawer slide, the lock having a biased arm with a cutout rotatably coupled to the third drawer slide and a tab on the second drawer slide oriented toward the third drawer slide;
15 wherein the tab enters the cutout as the third drawer slide is withdrawn from the second drawer slide.

20 22. The telescopic drawer slide of claim 21 further comprising a lock release adjacent to the biased arm wherein the lock release moves the biased arm to move the cutout away from the tab.

25 23. The telescopic drawer slide of claim 14 further comprising a stop between the second drawer slide and the first drawer slide; wherein a portion of the web of the second drawer slide is punched toward the first drawer slide and a portion of the web of the first drawer slide is punched toward the second drawer slide.

30 24. A telescopic drawer slide according to claim 14 wherein the first drawer slide, the second drawer slide and the third drawer slide all fit within a space between a drawer and a cabinet of about 0.375 inches wide by about 1 inch in height.

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25. A telescopic drawer slide comprising:

5 a first drawer slide having a longitudinal length with a web and arcuate arms along the longitudinal margins of the web;

a second drawer slide having a longitudinal length with a web, and arcuate arms along the longitudinal margins of the web, the second drawer slide being nested within the arcuate arms of the first drawer slide;

10 a third drawer slide having a longitudinal length with a web, and arcuate arms along the longitudinal margins of the web, the third drawer slide being nested within the arcuate arms of the second drawer slide;

15 a stop for preventing the second drawer slide from being withdrawn completely from the first drawer slide;

a means for locking the first drawer slide to the second drawer slide in an open position until the third drawer slide is closed; and

20 a means for removably locking the second drawer slide to the third drawer slide.

26. The telescopic drawer slide of claim 25 further comprising a means for removably locking the second drawer slide to the third drawer slide until the second drawer slide is withdrawn from the first drawer slide a predetermined amount.

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